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| <p>FORM PTO-1449</p> <p>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use several sheets if necessary)</p> | <p>ATTY. DOCKET NO. I-2-0096.3US</p> | <p>SERIAL NO. 10/084,007</p> |
| | <p>APPLICANT Lomp et al.</p> | |
| | <p>FILING DATE February 27, 2002</p> | <p>GROUP 2611</p> |

79477

U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|--|-----------------|---------|---------------------|-------|----------|-------------------------------|
| | | D356560 | 03/1995 | Kornfeld et al. | | | |
| | | 3,700,820 | 10/1972 | Blasbalg et al. | | | |
| | | 3,761,610 | 09/1973 | Krallinger et al. | | | |
| | | 4,069,392 | 01/1978 | Goldenberg et al. | | | |
| | | 4,156,277 | 05/1979 | Seitz et al. | | | |
| | | 4,292,623 | 09/1981 | Eswaran et al. | | | |
| | | 4,320,513 | 03/1982 | Lampert | | | |
| | | 4,384,307 | 05/1983 | Kuzmik et al. | | | |
| | | 4,385,206 | 05/1983 | Bradshaw et al. | | | |
| | | 4,403,322 | 09/1983 | Kato et al. | | | |
| | | 4,425,665 | 01/1984 | Stauffer | | | |
| | | 4,458,314 | 07/1984 | Grimes | | | |
| | | 4,480,307 | 10/1984 | Budde et al. | | | |
| | | 4,570,220 | 02/1986 | Tetrick et al. | | | |
| | | 4,583,124 | 04/1986 | Tsuji et al. | | | |
| | | 4,608,700 | 08/1986 | Kirtley, Jr. et al. | | | |
| | | 4,630,126 | 12/1986 | Kaku et al. | | | |
| | | 4,646,232 | 02/1987 | Chang et al. | | | |
| | | 4,667,192 | 05/1987 | Schmid et al. | | | |
| | | 4,675,865 | 06/1987 | DeVries et al. | | | |
| | | 4,709,343 | 11/1987 | Van Chang | | | |
| | | 4,744,079 | 05/1988 | Csapo et al. | | | |
| | | 4,768,145 | 08/1988 | Wheelwright et al. | | | |
| | | 4,785,463 | 11/1988 | Janc et al. | | | |
| | | 4,802,189 | 01/1989 | Wedler | | | |
| | | 4,811,262 | 03/1989 | White | | | |
| | | 4,811,421 | 03/1989 | Havel et al. | | | |
| | | 4,862,402 | 08/1989 | Shah et al. | | | |

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| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|---------|----------------------|-------|----------|-------------------------------|
| | 4,876,554 | 10/1989 | Tubbs | | | |
| | 4,901,265 | 02/1990 | Kerr et al. | | | |
| | 4,901,307 | 02/1990 | Gilhausen et al. | | | |
| | 4,905,177 | 02/1990 | Weaver, Jr., et al. | | | |
| | 4,914,574 | 04/1990 | Terada et al. | | | |
| | 4,926,130 | 05/1990 | Weaver | | | |
| | 4,928,274 | 05/1990 | Gilhausen et al. | | | |
| | 4,965,533 | 10/1990 | Gilmore | | | |
| | 4,979,170 | 12/1990 | Gilhausen et al. | | | |
| | 5,017,926 | 05/1991 | Ames et al. | | | |
| | 5,021,891 | 06/1991 | Lee | | | |
| | 5,022,024 | 06/1991 | Paneth et al. | | | |
| | 5,022,049 | 06/1991 | Abrahamson et al. | | | |
| | 5,027,306 | 06/1991 | Dattorro et al. | | | |
| | 5,028,887 | 07/1991 | Gilmore | | | |
| | 5,050,004 | 09/1991 | Morton, Jr. | | | |
| | 5,056,109 | 10/1991 | Gilhausen et al. | | | |
| | 5,081,643 | 01/1992 | Schilling | | | |
| | 5,084,900 | 01/1992 | Taylor | | | |
| | 5,093,840 | 03/1992 | Schilling | | | |
| | 5,099,204 | 03/1992 | Wheatley, III | | | |
| | 5,101,416 | 03/1992 | Fenton et al. | | | |
| | 5,101,501 | 03/1992 | Gilhausen et al. | | | |
| | 5,103,459 | 04/1992 | Gilhausen et al. | | | |
| | 5,105,423 | 04/1992 | Tanaka et al. | | | |
| | 5,107,225 | 04/1992 | Wheatley, III et al. | | | |
| | 5,107,345 | 04/1992 | Lee | | | |
| | 5,109,390 | 04/1992 | Gilhausen et al. | | | |
| | 5,113,525 | 05/1992 | Andoh | | | |
| | 5,115,429 | 05/1992 | Hluchyj et al. | | | |

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|---------------------|-----------------|---------|--------------------|-------|----------|-------------------------------|
| | 5,117,385 | 05/1992 | Gee | | | |
| | 5,126,748 | 06/1992 | Ames et al. | | | |
| | 5,128,623 | 07/1992 | Gilmore | | | |
| | 5,140,613 | 08/1992 | Birgenheier et al. | | | |
| | 5,142,278 | 8/1992 | Moallemi et al. | | | |
| | 5,159,283 | 10/1992 | Jensen | | | |
| | 5,159,551 | 10/1992 | Brunnett et al. | | | |
| | 5,161,168 | 11/1992 | Schilling | | | |
| | 5,166,929 | 11/1992 | Lo | | | |
| | 5,166,951 | 11/1992 | Schilling | | | |
| | 5,166,952 | 11/1992 | Omurg et al. | | | |
| | 5,179,571 | 01/1993 | Schilling | | | |
| | 5,179,572 | 01/1993 | Schilling | | | |
| | 5,193,094 | 03/1993 | Viterbi | | | |
| | 5,199,061 | 03/1993 | Kim | | | |
| | 5,204,876 | 04/1993 | Bruckert et al. | | | |
| | 5,210,771 | 05/1993 | Schaeffer et al. | | | |
| | 5,216,692 | 06/1993 | Ling | | | |
| | 5,224,120 | 06/1993 | Schilling | | | |
| | 5,228,053 | 07/1993 | Miller et al. | | | |
| | 5,228,054 | 07/1993 | Rueth et al. | | | |
| | 5,228,056 | 07/1993 | Schilling | | | |
| | 5,233,630 | 08/1993 | Wolf | | | |
| | 5,235,614 | 08/1993 | Bruckert et al. | | | |
| | 5,237,586 | 08/1993 | Bottomley | | | |
| | 5,239,685 | 08/1993 | Moe et al. | | | |
| | 5,241,690 | 08/1993 | Larsson et al. | | | |
| | 5,245,629 | 09/1993 | Hall | | | |
| | 5,253,268 | 10/1993 | Omura et al. | | | |
| | 5,253,347 | 10/1993 | Bagnoli et al. | | | |

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|---------------------|-----------------|---------|----------------------|-------|----------|-------------------------------|
| | 5,257,283 | 10/1993 | Gilhausen et al. | | | |
| | 5,258,940 | 11/1993 | Coker et al. | | | |
| | 5,260,967 | 11/1993 | Schilling | | | |
| | 5,262,974 | 11/1993 | Hausman et al. | | | |
| | 5,263,045 | 11/1993 | Schilling | | | |
| | 5,265,119 | 11/1993 | Gilhausen et al. | | | |
| | 5,267,261 | 11/1993 | Blakeney, III et al. | | | |
| | 5,267,262 | 11/1993 | Wheatley, III | | | |
| | 5,274,474 | 12/1993 | Medina | | | |
| | 5,274,665 | 12/1993 | Schilling | | | |
| | 5,276,261 | 01/1994 | Mayer et al. | | | |
| | 5,276,684 | 01/1994 | Pearson | | | |
| | 5,276,907 | 01/1994 | Meidan | | | |
| | 5,280,472 | 01/1994 | Gilhausen et al. | | | |
| | 5,283,536 | 02/1994 | Wheatley, III et al. | | | |
| | 5,287,299 | 02/1994 | Lin | | | |
| | 5,287,463 | 02/1994 | Frame et al. | | | |
| | 5,289,527 | 02/1994 | Tiedemann, Jr. | | | |
| | 5,291,515 | 03/1994 | Uchida et al. | | | |
| | 5,295,152 | 03/1994 | Gudmundson et al. | | | |
| | 5,295,153 | 03/1994 | Gudmundson | | | |
| | 5,297,161 | 03/1994 | Ling | | | |
| | 5,297,162 | 03/1994 | Lee et al. | | | |
| | 5,299,226 | 03/1994 | Schilling | | | |
| | 5,299,228 | 03/1994 | Hall | | | |
| | 5,305,349 | 04/1994 | Dent | | | |
| | 5,307,405 | 04/1994 | Sih | | | |
| | 5,309,474 | 05/1994 | Gilhausen et al. | | | |
| | 5,311,459 | 05/1994 | D'Luna et al. | | | |
| | 5,316,422 | 05/1994 | Coffman | | | |

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|---------------------|-----------------|---------|---------------------|-------|----------|-------------------------------|
| | 5,321,721 | 06/1994 | Yamaura et al. | | | |
| | 5,327,455 | 07/1994 | De Gaudenzi et al. | | | |
| | 5,327,467 | 07/1994 | De Gaudenzi et al. | | | |
| | 5,329,547 | 07/1994 | Ling | | | |
| | 5,337,338 | 08/1994 | Sutton et al. | | | |
| | 5,339,046 | 08/1994 | Kornfeld et al. | | | |
| | 5,339,174 | 08/1994 | Harris | | | |
| | 5,341,396 | 08/1994 | Higgins et al. | | | |
| | 5,341,397 | 08/1994 | Gudmundson | | | |
| | 5,341,427 | 08/1994 | Hardy et al. | | | |
| | 5,341,456 | 08/1994 | DeJaco | | | |
| | 5,343,335 | 08/1994 | Hara | | | |
| | 5,345,467 | 09/1994 | Lomp et al. | | | |
| | 5,345,596 | 09/1994 | Buchenhorner et al. | | | |
| | 5,345,598 | 09/1994 | Dent | | | |
| | 5,347,536 | 09/1994 | Meehan | | | |
| | 5,349,606 | 09/1994 | Lovell et al. | | | |
| | 5,351,134 | 09/1994 | Yaguchi et al. | | | |
| | 5,351,269 | 09/1994 | Schilling | | | |
| | 5,353,302 | 10/1994 | Bi | | | |
| | 5,353,352 | 10/1994 | Dent et al. | | | |
| | 5,355,453 | 10/1994 | Row et al. | | | |
| | 5,361,276 | 11/1994 | Subramanian | | | |
| | 5,363,377 | 11/1994 | Sharpe | | | |
| | 5,363,403 | 11/1994 | Schilling et al. | | | |
| | 5,365,544 | 11/1994 | Schilling | | | |
| | 5,365,585 | 11/1994 | Puhl et al. | | | |
| | 5,367,533 | 11/1994 | Schilling | | | |
| | 5,373,259 | 12/1994 | Hackman et al. | | | |
| | 5,373,502 | 12/1994 | Turban | | | |

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|---------------------|-----------------|---------|-----------------------|-------|----------|-------------------------------|
| | 5,377,183 | 12/1994 | Dent | | | |
| | 5,377,223 | 12/1994 | Schilling | | | |
| | 5,379,242 | 01/1995 | Rose et al. | | | |
| | 5,383,219 | 01/1995 | Wheatley, III et al. | | | |
| | 5,386,589 | 01/1995 | Kanal | | | |
| | 5,390,207 | 02/1995 | Fenton et al. | | | |
| | 5,392,287 | 02/1995 | Tiedemann, Jr. et al. | | | |
| | 5,396,516 | 03/1995 | Padovani et al. | | | |
| | 5,396,539 | 03/1995 | Slekys et al. | | | |
| | 5,398,243 | 03/1995 | Aguilhon et al. | | | |
| | 5,404,376 | 04/1995 | Dent | | | |
| | 5,406,559 | 04/1995 | Edem et al. | | | |
| | 5,406,615 | 04/1995 | Miller II, et al. | | | |
| | 5,408,697 | 04/1995 | Price et al. | | | |
| | 5,410,568 | 04/1995 | Schilling | | | |
| | 5,412,686 | 05/1995 | Ling | | | |
| | 5,414,728 | 05/1995 | Zehavi* | | | |
| | 5,414,729 | 05/1995 | Fenton | | | |
| | 5,414,732 | 05/1995 | Kaufmann | | | |
| | 5,414,796 | 05/1995 | Jacobs et al. | | | |
| | 5,416,797 | 05/1995 | Gilhausen et al. | | | |
| | 5,418,624 | 05/1995 | Ahmed | | | |
| | 5,420,850 | 05/1995 | Umeda et al. | | | |
| | 5,420,864 | 05/1995 | Dahlin et al. | | | |
| | 5,420,896 | 05/1995 | Schilling | | | |
| | 5,422,908 | 06/1995 | Schilling | | | |
| | 5,430,724 | 07/1995 | Fall et al. | | | |
| | 5,430,760 | 07/1995 | Dent | | | |
| | 5,440,597 | 08/1995 | Chung et al. | | | |
| | 5,442,625 | 08/1995 | Gitlin et al. | | | |

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** English Abstract only.

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|---------------------|-----------------|---------|-------------------------------------|-------|----------|-------------------------------|
| | 5,442,662 | 08/1995 | Fukasawa et al. | | | |
| | 5,446,683 | 08/1995 | Mullen et al. | | | |
| | 5,446,756 | 08/1995 | Mallinckrodt | | | |
| | 5,448,600 | 09/1995 | Lucas | | | |
| | 5,454,026 | 09/1995 | Tanaka | | | |
| | 5,459,758 | 10/1995 | Moore | | | |
| | 5,459,759 | 10/1995 | Schilling | | | |
| | 5,461,639 | 10/1995 | Wheatley, III, et al. | | | |
| | 5,465,399 | 11/1995 | Oberholtzer et al. | | | |
| | 5,483,549 | 01/1996 | Weinberg et al. | | | |
| | 5,485,486 | 01/1996 | Gilhousen et al. | | | |
| | 5,487,089 | 01/1996 | Misaizu et al. | | | |
| | 5,487,180 | 01/1996 | Ohtake *corresponds to JP H7-075154 | | | |
| | 5,488,629 | 01/1996 | Takahashi et al. | | | |
| | 5,506,864 | 04/1996 | Schilling | | | |
| | 5,508,708 | 04/1996 | Ghosh et al. | | | |
| | 5,509,126 | 04/1996 | Oprescu et al. | | | |
| | 5,519,736 | 05/1996 | Ishida | | | |
| | 5,528,593 | 06/1996 | English et al. | | | |
| | 5,528,624 | 06/1996 | Kaku et al. | | | |
| | 5,535,238 | 07/1996 | Schilling et al. | | | |
| | 5,535,278 | 07/1996 | Cahn et al. | | | |
| | 5,541,606 | 07/1996 | Lennen | | | |
| | 5,544,156 | 08/1996 | Teder et al. | | | |
| | 5,544,196 | 08/1996 | Tiedemann, Jr. et al. | | | |
| | 5,546,424 | 08/1996 | Miyake | | | |
| | 5,548,613 | 08/1996 | Kaku et al. | | | |
| | 5,550,811 | 08/1996 | Kaku et al. | | | |
| | 5,559,790 | 09/1996 | Yano et al. | | | |
| | 5,561,669 | 10/1996 | Lenney et al. | | | |

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|---------------------|-----------------|---------|-------------------------------|-------|----------|-------------------------------|
| | 5,563,907 | 10/1996 | Lomp | | | |
| | 5,563,912 | 10/1996 | Yasunaga et al. | | | |
| | 5,566,165 | 10/1996 | Sawahashi et al. ¹ | | | |
| | 5,566,201 | 10/1996 | Ostman | | | |
| | 5,568,483 | 10/1996 | Padovani et al. | | | |
| | 5,570,349 | 10/1996 | Bustamante et al. | | | |
| | 5,570,353 | 10/1996 | Keskitalo et al. | | | |
| | 5,574,754 | 11/1996 | Kurihara et al. | | | |
| | 5,574,775 | 11/1996 | Miller, II et al. | | | |
| | 5,574,983 | 11/1996 | Douzono et al. | | | |
| | 5,579,374 | 11/1996 | Doi et al. | | | |
| | 5,581,547 | 12/1996 | Umeda et al. | | | |
| | 5,590,409 | 12/1996 | Sawahashi et al. | | | |
| | 5,594,718 | 01/1997 | Weaver, Jr. et al. | | | |
| | 5,596,570 | 01/1997 | Soliman | | | |
| | 5,602,833 | 02/1997 | Zehavi | | | |
| | 5,603,096 | 02/1997 | Gilhousen et al. | | | |
| | 5,604,730 | 02/1997 | Tiedemann, Jr. | | | |
| | 5,610,940 | 03/1997 | Durrant et al. | | | |
| | 5,613,228 | 03/1997 | Tuttle et al. | | | |
| | 5,619,524 | 04/1997 | Ling et al. | | | |
| | 5,619,526 | 04/1997 | Kim et al. | | | |
| | 5,621,416 | 04/1997 | Lennen | | | |
| | 5,621,723 | 04/1997 | Walton, Jr., et al. | | | |
| | 5,627,835 | 05/1997 | Witter | | | |
| | 5,627,855 | 05/1997 | Davidovici | | | |
| | 5,629,955 | 05/1997 | McDonough | | | |
| | 5,638,362 | 06/1997 | Dohi et al. ² | | | |
| | 5,644,590 | 07/1997 | Sugita | | | |
| | 5,652,765 | 07/1997 | Adachi et al. | | | |

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| | <p align="center">APPLICANT Lomp et al.</p> | |
| | <p>FILING DATE February 27, 2002</p> | <p>GROUP 2611</p> |

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|---------|------------------|-------|----------|-------------------------------|
| | 5,654,980 | 08/1997 | Latva-aho et al. | | | |
| | 5,657,343 | 08/1997 | Schilling | | | |
| | 5,673,259 | 09/1997 | Quick, Jr. | | | |
| | 5,673,286 | 09/1997 | Lomp | | | |
| | 5,675,581 | 10/1997 | Soliman | | | |
| | 5,689,502 | 11/1997 | Scott | | | |
| | 5,689,815 | 11/1997 | Yamazaki et al. | | | |
| | 5,691,974 | 11/1997 | Zehavi et al. | | | |
| | 5,692,008 | 11/1997 | Van Nee | | | |
| | 5,710,768 | 01/1998 | Ziv et al. | | | |
| | 5,712,869 | 01/1998 | Lee et al. | | | |
| | 5,715,536 | 02/1998 | Weaver et al. | | | |
| | 5,722,051 | 02/1998 | Agrawal et al. | | | |
| | 5,745,484 | 04/1998 | Scott | | | |
| | 5,754,803 | 05/1998 | Regis | | | |
| | 5,757,767 | 05/1998 | Zehavi | | | |
| | 5,764,687 | 06/1998 | Easton | | | |
| | 5,771,451 | 06/1998 | Takai et al. | | | |
| | 5,781,584 | 07/1998 | Zhou et al. | | | |
| | 5,790,591 | 08/1998 | Gold et al. | | | |
| | 5,802,046 | 09/1998 | Scott | | | |
| | 5,812,593 | 09/1998 | Kaku | | | |
| | 5,812,938 | 09/1998 | Gilhausen et al. | | | |
| | 5,822,318 | 10/1998 | Tiedemann et al. | | | |
| | 5,828,662 | 10/1998 | Jalali et al. | | | |
| | 5,841,768 | 11/1998 | Ozluturk et al. | | | |
| | 5,844,935 | 12/1998 | Shoji | | | |
| | 5,870,378 | 02/1999 | Huang et al. | | | |
| | 5,870,427 | 02/1999 | Tiedemann et al. | | | |
| | 5,872,810 | 02/1999 | Phillips et al. | | | |

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|---------------------|-----------------|---------|---------------------|-------|----------|-------------------------------|
| | 5,875,400 | 02/1999 | Madhavapeddy et al. | | | |
| | 5,878,329 | 03/1999 | Mallinckrodt | | | |
| | 5,878,350 | 03/1999 | Nakamura et al. | | | |
| | 5,881,056 | 03/1999 | Huang et al. | | | |
| | 5,881,368 | 03/1999 | Grob et al. | | | |
| | 5,884,187 | 03/1999 | Ziv et al. | | | |
| | 5,884,196 | 03/1999 | Lekven et al. | | | |
| | 5,896,368 | 04/1999 | Dahlman et al. | | | |
| | 5,896,665 | 04/1999 | Sawahashi et al. | | | |
| | 5,926,501 | 07/1999 | Souissi et al. | | | |
| | 5,933,781 | 08/1999 | Willenegger et al. | | | |
| | 5,940,382 | 08/1999 | Haim | | | |
| | 5,940,771 | 08/1999 | Golnick et al. | | | |
| | 5,943,361 | 08/1999 | Gilhouzen et al. | | | |
| | 5,953,346 | 09/1999 | Luddy | | | |
| | 5,959,080 | 09/1999 | Scott | | | |
| | 5,959,980 | 09/1999 | Scott | | | |
| | 5,966,403 | 10/1999 | Pon | | | |
| | 6,018,528 | 01/2000 | Gitlin et al. | | | |
| | 6,021,123 | 02/2000 | Mimura | | | |
| | 6,038,577 | 03/2000 | Burshtein | | | |
| | 6,072,787 | 06/2000 | Hamalainen et al. | | | |
| | 6,088,335 | 07/2000 | I et al. | | | |
| | 6,104,748 | 08/2000 | Kaku | | | |
| | 6,108,537 | 08/2000 | Comer et al. | | | |
| | 6,122,292 | 09/2000 | Watanabe et al. | | | |
| | 6,141,374 | 10/2000 | Burns | | | |
| | 6,181,949 | 01/2001 | Ozluturk et al. | | | |
| | 6,212,399 | 04/2001 | Kumar et al. | | | |
| | 6,226,316 | 05/2001 | Schilling et al. | | | |

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|---------------------|---|-----------------|---------|-----------------------|-------|----------|-------------------------------|
| | | 6,252,866 | 06/2001 | Haim | | | |
| | * | 6,269,113 | 07/2001 | Park | | | |
| | | 6,286,040 | 09/2001 | Durham | | | |
| | | 6,289,040 | 09/2001 | Molev-Shteiman | | | |
| | | 6,292,519 | 09/2001 | Popovic | | | |
| | | 6,335,924 | 01/2002 | Yano et al. | | | |
| | | 6,347,083 | 02/2002 | Nishino | | | |
| | | 6,356,555 | 03/2002 | Rakib et al. | | | |
| | | 6,393,049 | 05/2002 | Davidovici et al. | | | |
| | | 6,396,867 | 05/2002 | Tiedemann, Jr. et al. | | | |
| | | 6,396,897 | 05/2002 | Tiedemann et al. | | | |
| | * | 6,397,070 | 05/2002 | Black | | | |
| | | 6,405,272 | 06/2002 | Regis | | | |
| | | 6,434,124 | 08/2002 | Rege | | | |
| | * | 6,438,119 | 08/2002 | Kim et al. | | | |
| | | 6,463,295 | 10/2002 | Yun | | | |
| | * | 6,473,447 | 10/2002 | Strich et al. | | | |
| | | 6,487,190 | 11/2002 | Regis | | | |
| | | 6,490,462 | 12/2002 | Ozluturk et al. | | | |
| | | 6,493,563 | 12/2002 | Ozluturk et al. | | | |
| | | 6,507,745 | 01/2003 | Ozluturk et al. | | | |
| | | 6,510,148 | 01/2003 | Honkasalo | | | |
| | | 6,519,277 | 02/2003 | Eidson | | | |
| | | 6,519,461 | 02/2003 | Andersson et al. | | | |
| | | 6,549,565 | 04/2003 | Buehrer et al. | | | |
| | | 6,571,105 | 05/2003 | Ozluturk et al. | | | |
| | | 6,577,876 | 06/2003 | Ozluturk et al. | | | |
| | | 6,587,447 | 07/2003 | Wang et al. | | | |
| | | 6,590,883 | 07/2003 | Kitade et al. | | | |
| | | 6,590,889 | 07/2003 | Preuss et al. | | | |

| | |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

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|---------------------|-----------------|---------|-----------------------|-------|----------|-------------------------------|
| | 6,606,503 | 08/2003 | Ozluturk et al. | | | |
| | 6,608,825 | 08/2003 | Luddy | | | |
| | 6,654,613 | 11/2003 | Maeng et al. | | | |
| | 6,671,266 | 12/2003 | Moon et al. | | | |
| | 6,708,041 | 03/2004 | Butovitsch et al. | | | |
| | 6,760,321 | 07/2004 | Shamsunder | | | |
| | 6,763,244 | 07/2004 | Chen et al. | | | |
| | 6,778,551 | 08/2004 | Magnus et al. | | | |
| | 6,778,840 | 08/2004 | Ozluturk et al. | | | |
| | 6,839,567 | 01/2005 | Ozluturk et al. | | | |
| | 6,847,821 | 01/2005 | Lewis et al. | | | |
| | 6,853,675 | 02/2005 | Oleynik | | | |
| | 6,865,168 | 03/2005 | Sekine | | | |
| | 6,879,841 | 04/2005 | Ozluturk et al. | | | |
| | 6,904,294 | 06/2005 | Ozluturk et al. | | | |
| | 7,117,004 | 10/2006 | Ozluturk et al. | | | |
| | 7,190,966 | 03/2007 | Ozluturk et al. | | | |
| * | 20010038630 | 11/2001 | Tong et al. | | | |
| | 20020101832 | 08/2002 | Chen et al. | | | |
| | 20030190925 | 10/2003 | Ozluturk et al. | | | |
| | 20040005020 | 01/2004 | Dent | | | |
| * | 20050002348 | 01/2005 | Holtzman et al. | | | |
| | 20050249165 | 11/2005 | Ozluturk et al. | | | |
| | 20050254478 | 11/2005 | Ozluturk et al. | | | |
| | 20060088134 | 04/2006 | Gilhausen et al. | | | |
| | 20060098759 | 05/2006 | Tiedemann, Jr. et al. | | | |
| | 20070002934 | 01/2007 | Schilling | | | |

| FOREIGN PATENT DOCUMENTS | | | | | | |
|--------------------------|-----------------|------|-----------------|-------|----------|-------------|
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| | | 3743731 | 07/1989 | DE | | | X** | |
| | | 3743732 | 07/1989 | DE | | | X** | |
| | | 0022170 | 01/1981 | EP | | | | |
| | | 0372350 | 06/1990 | EP | | | | |
| | | 0462572 | 12/1991 | EP | | | | |
| | | 0464839 | 01/1992 | EP | | | | |
| | | 0476215 | 03/1992 | EP | | | | |
| | | 0505341 | 09/1992 | EP | | | | |
| | | 0515335 | 05/1992 | EP | | | | |
| | | 0525860 | 02/1993 | EP | | | | |
| | | 0526106 | 02/1993 | EP | | | | |
| | | 0565507 | 10/1993 | EP | | | | |
| | | 0615395 | 09/1994 | EP | | | | |
| | | 0631397 | 12/1994 | EP | | | | |
| | | 0637179 | 02/1995 | EP | | | | |
| | | 0654913 | 05/1995 | EP | | | | |
| | | 0656716 | 06/1995 | EP | | | | |
| | | 0668662 | 08/1995 | EP | | | | |
| | | 0682423 | 11/1995 | EP | | | | |
| | | 0744876 | 11/1996 | EP | | | | |
| | | 2280575 | 02/1995 | GB | | | | |
| | | 2301746 | 12/1996 | GB | | | | |
| | | H06-343068 | 12/1994 | JP | | | | |
| | | H05-300077 | 11/1993 | JP | | | X** | |

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|---------------------|---|-----------------|---------|-----------------|-------|----------|-------------|----|
| | | | | | | | YES | NO |
| | | H02-287874 | 11/1990 | JP | | | | |
| | | H04-287593 | 10/1992 | JP | | | | |
| | | H06-276176 | 09/1994 | JP | | | X** | |
| | | H07-273600 | 10/1995 | JP | | | | |
| | | S62-256516 | 11/1987 | JP | | | | |
| | | H02-256331 | 10/1990 | JP | | | | |
| | * | 5-227124 | 09/1993 | JP | | | X** | |
| | | H04-222111 | 08/1992 | JP | | | | |
| | | S63-198423 | 08/1988 | JP | | | | |
| | | H05-144128 | 06/1993 | JP | | | | |
| | | H05-129969 | 05/1993 | JP | | | X** | |
| | | H01-124730 | 08/1989 | JP | | | | |
| | | H06-120865 | 04/1994 | JP | | | X** | |
| | | H07-107007 | 04/1995 | JP | | | X** | |
| | | H06-104829 | 04/1994 | JP | | | | |
| | | H06-104694 | 04/1994 | JP | | | | |
| | | H05-083381 | 04/1993 | JP | | | | |
| | | H07-079477 | 03/1995 | JP | | | X** | |
| | | H07-058665 | 03/1995 | JP | | | | |
| | | H07-050631 | 02/1995 | JP | | | X** | |
| | | H07-046180 | 02/1995 | JP | | | X** | |
| | | H03-040535 | 02/1991 | JP | | | | |
| | | H05-022285 | 1/1993 | JP | | | X** | |
| | | H06-006374 | 01/1994 | JP | | | | |
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|---------------------|--|-----------------|---------|---------------------------------|-------|----------|-------------|----|
| | | | | | | | YES | NO |
| | | H05-244056 | 09/1993 | JP *corresponds to US 5,386,589 | | | X | |
| | | H07-095151 | 04/1995 | JP *corresponds to US 5,487,180 | | | X | |
| | | 9221196 | 11/1992 | WO | | | | |
| | | 9307702 | 04/1993 | WO | | | | |
| | | 9309626 | 05/1993 | WO | | | | |
| | | 9314588 | 07/1993 | WO | | | | |
| | | 9416513 | 07/1994 | WO | | | | |
| | | 9428640 | 12/1994 | WO | | | | |
| | | 9503652 | 02/1995 | WO | | | | |
| | | 9507578 | 03/1995 | WO | | | | |
| | | 9508376 | 03/1995 | WO | | | | |
| | | 9512257 | 05/1995 | WO | | | | |
| | | 9515038 | 06/1995 | WO | | | | |
| | | 9702665 | 01/1997 | WO | | | | |
| | | 9702675 | 01/1997 | WO | | | | |
| | | 9707600 | 02/1997 | WO | | | | |
| | | 9013942 | 11/1990 | WO *equivalent to US 5,027,306 | | | X | |
| | | 9200639 | 01/1992 | WO ³ | | | | |

| OTHER DOCUMENTS | |
|---------------------|--|
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| EXAMINER INITIAL | DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.) |
|---------------------|---|
| | "Public Version Of Respondents Samsung Electronics America, Inc.'s and Samsung Telecommunications America LLC's Response to the Complaint and Notice of Investigation," <i>In the Matter of Certain 3G Wideband Code Division Multiple Access (WCDMA) Handsets And Components Thereof</i> , (United States International Trade Commission), (Investigation No. 337-TA-601), (May 31, 2007). |
| | ALAVI, Power Control and Interference Management in a Spread-Spectrum Cellular Mobile Radio System, (1984) (unpublished Ph.D. thesis – Michigan State University Department of Electrical Engineering and Systems Science) (on file with the Michigan State University Libraries). |
| | ANDERMO ET AL., "A CDMA-Based Radio Access Design For UMTS," <i>IEEE Personal Communications</i> , pp. 48 - 53, (February 1995). |
| | ANDERMO ET AL., "Code Division Testbed, CODIT," <i>Record, ICUPC'93 Conference</i> , pp. 397 - 401, (IEEE 1993). |
| | ANDERMO ET AL., "CODIT, a Testbed Project Evaluating DS-CDMA for UMTS/FPLMTS," pp. 21- 25, IEEE (1994). |
| | ANDERMO, "CODIT Final Review Report," R2020/ERA/PM/DS/P/050/b1, Issue 2.0, <i>UMTS Code Division Testbed (CODIT)</i> , (November 21, 1995). |
| | ASSOCIATION OF RADIO INDUSTRIES AND BUSINESSES (ARIB), <i>Specifications of Air-Interface for 3G Mobile System</i> , Volume 3, ver. 1.0, (January 14, 1999) |
| | AZAD ET AL., "Multirate Spread Spectrum Direct Sequence CDMA Techniques," <i>IEEE Colloquium on Spread Spectrum Techniques for Radio Communication Systems</i> , Digest No. 1994/ 098, pp. 4/1-4/5, (IEEE, 1994). |
| | BAIER ET AL., "Design Study for A CDMA Based Third Generation Mobile Radio System," <i>IEEE Journal on Selected Areas In Communications</i> , vol. 12, no. 4, pp. 733 – 743, (May 1994). |
| | BERNASONI, "Receiver Architectures for the Down-Link in a DS-CDMA Mobile System," pp. 51-55 (IEEE, September 1994). |
| | BLAHUT, <i>Theory And Practice of Error Control Codes</i> , (Addison-Wesley Publishing Company, 1983). |
| | BLASBALG, "A Comparison of Pseudo-Noise and Conventional Modulation For Multiple-Access Satellite Communications," <i>IBM Journal</i> , pp. 241 – 255, (July 1965). |
| | BRAUN ET AL., "An All-Digital Receiver for Satellite Audio Broadcasting Signals Using Trellis Coded Quasi-Orthogonal Code-Division Multiplexing," <i>European Transactions on Telecommunications and Related Technologies</i> , vol. 4, no. 1, pp. 23-32, (February 1993). |
| | CAMERON ET AL., "An Analysis of CDMA With Imperfect Power Control," <i>1993 43rd IEEE Vehicular Technology Conference</i> , (Seacaucus, NJ, May 18-20, 1993), pp. 977 – 979, (IEEE 1992). |
| | CHUANG ET AL., "Uplink Power Control for TDMA Portable Radio Channels," <i>IEEE Transactions on Vehicular Technology</i> , vol. 43, no. 1, pp. 33-39, (February 1994). |

| | |
|----------|-----------------|
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|----------|-----------------|

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| EXAMINER INITIAL | DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.) |
|---------------------|--|
| | COSMAS ET AL., "Overview of the Mobile Communications Programme of RACE II," <u>Electronics and Communication Engineering Journal</u> , pp. 155 – 167, (August 1995). |
| | D'AVELLA ET AL., "Power Control in CDMA Systems: Performance Evaluation and System Design Implications," Universal Personal Communications, 1994, Record, 1994 Third Annual International Conference On, , pp. 73-77 (September 27 - October 1, 1994). |
| | DIXON, <u>Spread Spectrum Systems With Commercial Applications, Third Edition</u> , pp. 412 – 415, (John Wiley & Sons, Inc. 1994). |
| | ESMAILZADEH ET AL., "Power Control in Packet Switched Time Division Duplex Direct Sequence Spread Spectrum Communications," <u>Vehicular Technology Conference, 1992 IEEE 42nd</u> , Vol. 2, pp. 989-992, (10-13 May 1992). |
| | ETSI TC-RES, European Telecommunication Standard ETS 300 444, "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT) Generic Access Profile (GAP)," (European Telecommunication Standards Institute, December 1995). |
| | ETSI TC-RES, European Telecommunication Standard prETS 300 444, "Radio Equipment and Systems (RES); Digital European Cordless Telecommunications (DECT) Generic Access Profile (GAP)," (European Telecommunication Standards Institute, February 1995). |
| | ETSI TC-RES, Interim European Telecommunication Standard (I-ETS) 300 131, "Radio Equipment and Systems (RES); Common Air Interface Specification to be used for the interworking between cordless telephone apparatus in the frequency band 864, 1 MHz to 868,1 MHz, including public services," (European Telecommunication Standards Institute, April 1992). |
| | FLUHR ET AL., "Advanced Mobile Phone Service: Control Architecture," <u>The Bell System Technical Journal</u> , vol. 58, no. 1, pp. 43 – 69, (American Telephone And Telegraph Company January 1979). |
| | GIANNETTI ET AL., "Design of an All-Digital Receiver for Narrowband Continuous-Phase Asynchronous CDMA Systems," vol. 3, pp. 468-472 (IEEE, May 1993). |
| | HAGMANNS ET AL., "Code Division Multiple Access (CDMA): das natürliche Zugriffsverfahren für den zellularen Mobilfunk (Code Division Multiple Access (CDMA): The Natural Access Procedure for Cellular Mobile Radio Systems)," 8273 ANT Nachrichtentechnische Berichte, No. 10, pp. 64-71, (1993 August, Backnang, DE). Translation of paper provided, pp. 1 – 17. |
| | HINDERLING ET AL., "CDMA Mobile Station Modem ASIC," <u>IEEE Journal Of Solid State Circuits</u> , vol. 28, no. 3, pp. 253 – 260, (March 1993). |
| | HOLTZMAN, "A Simple, Accurate Method To Calculate Spread-Spectrum Multiple-Access Error Probabilities," <u>IEEE Transactions On Communications</u> , vol. 40, no. 3, pp. 461 – 464, (IEEE, March 1992). |
| | I ET AL., "Multi-Code CDMA Wireless Personal Communications Networks," pp. 1060-1064, (IEEE, 1995). |

| | |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | |
|---|--|----------------------------------|
| <p>FORM PTO-1449</p> <p>U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(Use several sheets if necessary)</p> | <p>ATTY. DOCKET NO. I-2-0096.3US</p> | <p>SERIAL NO. 10/084,007</p> |
| | <p>APPLICANT Lomp et al.</p> | |
| | <p>FILING DATE February 27, 2002</p> | <p>GROUP 2611</p> |

| EXAMINER INITIAL | DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.) |
|---------------------|---|
| | I ET AL., "Performance of Multi-Code CDMA Wireless Personal Communications Networks", pp. 907-911, (IEEE, 1995). |
| | I ET AL., "Variable Spreading Gain CDMA with Adaptive Control for True Packet Switching Wireless Network", pp. 725-730, (IEEE, 1995). |
| | INTERDIGITAL / SIEMENS, "Functional Interface Specification (FIS) for Radio in the Local Loop based on B-CDMA, CDMAlink version 1," Issue 1.0 (Siemens AG June 23, 1995). |
| | INTERNATIONAL DICTIONARY OF PHYSICS AND ELECTRONICS, SECOND EDITION, pp. 612 and 952, (D. Van Nostrand Company, Inc., 1956, 1961). |
| | KOHNO ET AL., "Spread Spectrum Access Methods for Wireless Communications," <u>IEEE Communications</u> , vol. 33, no. 1, pp. 58 - 67, (IEEE, January 1995). |
| | KOMO ET AL., "Implementation Consideration Of Code Division Multiple Access Sequences," <u>23rd Southeastern Symposium On System Theory</u> , pp. 11-15, (12 March 1991). |
| | KRZYMIEN ET AL., "Rapid Acquisition Algorithms for Synchronization of Bursty Transmissions in CDMA Microcellular and Personal Wireless Systems", <u>IEEE Journal on Selected Areas in Communications</u> , Vol. 14, No. 3, pp. 570-579, (April 1996). |
| | LEE, "Overview of Cellular CDMA," <u>IEEE Transactions on Vehicular Technology</u> , vol. 40, no. 2, pp. 291 - 302, (May 1991). |
| | LIU ET AL., "SIR-Based Call Admission Control for DS-CDMA Cellular Systems," <u>IEEE Journal on Selected Areas in Communications</u> , vol. 12, no. 14, pp. 638-644 (May 1994). |
| | MCDONALD, <u>Fundamentals of Digital Switching</u> , (Plenum Press, 1983). |
| | MCELIECE, R. J., "Correlation Properties of Sets of Sequences Derived From Irreducible Cyclic Codes," <u>Information and Control</u> 45, pp. 18-25 (1980). |
| | McFARLANE ET AL., "Validation of Advanced CDMA Concepts for UMTS and FPLMTS," pp. 36 - 40, (IEEE 1994). |
| | McFARLANE, "UMTS Revisited," (IEE, London, UK 1994). |
| | NETTLETON, Spectral Efficiency in Cellular Land-Mobile Communications: A Spread Spectrum Approach, (1978) (unpublished Ph.D. thesis, Purdue University) (on file with UMI Dissertation Information Service). |
| | ORMONDROYD, "Power Control for Spread-Spectrum Systems," <u>Conference on Communications Equipment and Systems</u> , pp. 109-115, (Apr. 20-22, 1982). |
| | PAHLAVAN ET AL., "Performance of Adaptive Matched Filter Receivers Over Fading Multipath Channels," <u>IEEE Transactions on Communications</u> , vol. 38, no. 12, pp. 2106-2113, (December 1990). |
| | PURSLEY, "Performance Evaluation for Phase-Coded Spread-Spectrum Multiple-Access Communication - Part 1: System Analysis," <u>IEEE Transactions on Communications</u> , vol. COM-25, no. 8, pp. 795 - 799, (August 1977). |
| EXAMINER | DATE CONSIDERED |

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | |
|--|----------------------------------|--------------------------|
| FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary) | ATTY. DOCKET NO. I-2-0096.3US | SERIAL NO. 10/084,007 |
| | APPLICANT Lomp et al. | |
| | FILING DATE February 27, 2002 | GROUP 2611 |

| EXAMINER INITIAL | DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.) |
|---------------------|---|
| | QUALCOMM, "Proposed EIA/TIA Interim Standard: Wideband Spread Spectrum Digital Cellular System Dual-Mode Mobile Station - Base Station Compatibility Standard," TR45.5, (April 21, 1992). |
| | RICK ET AL., "Noncoherent Parallel Acquisition in CDMA Spread Spectrum Systems," IEEE, pp. 1422 - 1426, (May 1994). |
| | SALMASI ET AL., "On The System Design Aspects Of Code Division Multiple Access (CDMA) Applied to Digital Cellular And Personal Communications Networks," <u>Vehicular Technology Conference, 1991, 'Gateway to the Future Technology in Motion', 41st IEEE</u> , pp. 57 - 62, (May 19-22, 1991). |
| | SCHILLING, "Broadband-CDMA: <u>ONEPHONE for A Wireless Twenty First Century</u> ," ICPWC'94, pp. 1 - 5, (IEEE 1994). |
| | SCHOLTZ, "The Origins Of Spread Spectrum Communications," <u>IEEE Transactions On Communications</u> , vol. COM-30, no. 5, pp. 822 - 854, (May 1982). |
| | SIEMENS AG, "CDMA / link System Description," ver. 3.00 (March 10, 1995). |
| | SIMON ET AL., <u>Spread Spectrum Communications Handbook</u> , Revised Edition pp. 262- 396, (McGraw Hill New York, 1994). |
| | SIMPSON ET AL., "CDMA Power Control, Interleaving, and Coding," <u>41st IEEE Vehicular Technology Conference</u> , (St. Louis, MO, May 19-22, 1991) pp. 362 - 367, (IEEE 1991). |
| | SIMPSON ET AL., "Direct Sequence CDMA Power Control, Interleaving and Coding," <u>IEEE Journal on Selected Areas In Communications</u> , vol. 11, no. 7, pp. 1085 - 1095, (September 1993). |
| | SOLIMAN ET AL., "CDMA Reverse Link Open Loop Power Control," <u>Globecom '92 IEEE Global Telecommunications Conference</u> (Orlando, FL, December 6 - 9, 1992) pp. 69 - 73, (IEEE 1992). |
| | TACHIKAWA ET AL., "Nonlinear Code Sequence for Rapid Acquisition - Ref. 3", Study Report of the Spread Spectrum Communication System Study Group, The Institute of Electrical, Information, Electronics and Communications Engineers of Japan (IEIEC), (March 25, 1987). Translation provided. |
| | TELECOMMUNICATIONS INDUSTRY ASSOCIATION, TIA/EIA/IS-95-A (Revision of TIA/EIA/IS-95), "TIA/EIA Interim Standard: Mobile Station - Base Station Compatibility Standard For Dual-Mode Wideband Spread Spectrum Cellular System," (May 1995). |
| | TIA/EIA/IS-95, "Mobile Station-Base Station Compatibility Standard for Dual-Mode Wideband Spread Spectrum Cellular System", TIA/EIA Interim Standard, pp. 7-12, 7.14, and 7.15, (Telecommunications Industry Association, July 1993). |
| | TIA/EIA/IS-95-A, "Mobile Station-Base Station Compatibility Standard for Dual-Mode Wideband Spread Spectrum Cellular System", TIA/EIA Interim Standard, (Telecommunications Industry Association, May 1995). |
| | TIEDEMANN ET AL., "The Design and Development of A Code Division Multiple Access (CDMA) System for Cellular And Personal Communications," <u>IEEE International Symposium on Personal, Indoor and Mobile Radio Communications</u> , (London, UK, September 23-25, 1991) pp. 131 - 136, (IEEE 1991). |

| | |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

| | | |
|---|--|----------------------------------|
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| | <p style="text-align: center;">APPLICANT Lomp et al.</p> | |
| | <p>FILING DATE February 27, 2002</p> | <p>GROUP 2611</p> |

| EXAMINER INITIAL | DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.) |
|---------------------|--|
| | VAN NIELEN, "UMTS: A Third Generation Mobile System," PIMRC '92, (Boston, MA, October 19 – 21, 1992) pp. 17 – 21, (1992). |
| | ZAGAMI ET AL., "Providing Universal Location Services Using A Wireless E911 Location Network," IEEE Communications Magazine, pp. 66 – 71, (April 1998). |
| | ZIEMER ET AL., Digital Communications And Spread Spectrum Systems, pp. 492 – 94 (Collier Macmillan 1985). |
| | ZIMMERMAN ET AL., "CDMA und ATM-zwei Technologien, ein Zeil, (CDMA and ATM – Ideal Partners)" 2323 Telecom Report Siemens, vol. 18, no. 2, pp. 60-63, (1995 Maerz/April, München, DE), from http://www.siemens.de/telcom/artikel/0295/295zimm.htm Translation provided in: Siemens Telcom Report International from http://www.siemens.de/telcom/articles/e0395/395zimm.htm |

RELATED U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|---------|-----------------|-------|----------|-------------------------------|
| | RE38,523 | 06/2004 | Ozluturk | | | |
| | 5,748,687 | 05/1998 | Ozluturk | | | |
| | 5,796,776 | 08/1998 | Lomp et al. | | | |
| | 5,799,010 | 08/1998 | Lomp et al. | | | |
| | 5,912,919 | 06/1999 | Lomp et al. | | | |
| | 5,991,329 | 11/1999 | Lomp et al. | | | |
| | 5,991,332 | 11/1999 | Lomp et al. | | | |
| | 6,049,535 | 04/2000 | Ozluturk et al. | | | |
| | 6,157,619 | 12/2000 | Ozluturk et al. | | | |
| | 6,212,174 | 04/2001 | Lomp et al. | | | |
| | 6,215,778 | 04/2001 | Lomp et al. | | | |
| | 6,229,843 | 05/2001 | Lomp et al. | | | |
| | 6,272,168 | 08/2001 | Lomp et al. | | | |
| | 6,381,264 | 04/2002 | Lomp et al. | | | |
| | 6,456,608 | 09/2002 | Lomp | | | |
| | 6,633,600 | 10/2003 | Lomp et al. | | | |
| | 6,674,788 | 01/2004 | Lomp et al. | | | |
| | 6,674,791 | 01/2004 | Lomp et al. | | | |
| | 6,697,350 | 02/2004 | Lomp | | | |

| | |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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| | <p align="center">APPLICANT Lomp et al.</p> | |
| | <p>FILING DATE February 27, 2002</p> | <p>GROUP 2611</p> |

| EXAMINER INITIAL | DOCUMENT NUMBER | DATE | NAME | CLASS | SUBCLASS | FILING DATE IF APPROPRIATE |
|---------------------|-----------------|---------|-----------------|-------|----------|-------------------------------|
| | 6,707,805 | 03/2004 | Ozluturk et al. | | | |
| | 6,721,301 | 04/2004 | Ozluturk et al. | | | |
| | 6,744,809 | 06/2004 | Lomp et al. | | | |
| | 6,788,662 | 09/2004 | Ozluturk et al. | | | |
| | 6,801,516 | 10/2004 | Lomp et al. | | | |
| | 6,816,473 | 11/2004 | Ozluturk et al. | | | |
| | 6,831,905 | 12/2004 | Lomp et al. | | | |
| | 6,873,645 | 03/2005 | Lomp et al. | | | |
| | 6,885,652 | 04/2005 | Ozluturk et al. | | | |
| | 6,940,840 | 09/2005 | Ozluturk et al. | | | |
| | 6,983,009 | 01/2006 | Lomp | | | |
| | 6,985,467 | 01/2006 | Lomp et al. | | | |
| | 7,020,111 | 03/2006 | Ozluturk et al. | | | |
| | 7,072,380 | 07/2006 | Ozluturk et al. | | | |
| | 7,123,600 | 10/2006 | Ozluturk et al. | | | |
| | 20020051434 | 05/2002 | Ozluturk et al. | | | |
| | 20020057659 | 05/2002 | Ozluturk et al. | | | |
| | 20020118653 | 08/2002 | Lomp et al. | | | |
| | 20040071198 | 04/2004 | Lomp et al. | | | |
| | 20040165654 | 08/2004 | Lomp et al. | | | |
| | 20040252668 | 12/2004 | Ozluturk et al. | | | |
| | 20050094604 | 05/2005 | Ozluturk et al. | | | |
| | 20050243897 | 11/2005 | Lomp et al. | | | |
| | 20050265430 | 12/2005 | Ozluturk et al. | | | |

¹ US 5,566,165 is equivalent to CN 1126930A; ²Corresponds to WO 95/10903; ³Corresponds to JP 6-501349; ⁴Corresponds to WO 95/12937.

| | |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.